



























- Co-founder  
Jan 20 -
-  **Sticky** (<https://sticky.to>)
- Co-founder of Sticky. Make branded physical↔digital apps without writing any code.
- Engineering Lead  
Nov 18 - Jan 20
-  **SuperAwesome**
- Introduced engineering initiatives to create a culture of entrepreneurship. Line management (aligning on company initiatives and career mentorship).
  - Delivered the next generation of PII-free advertising, taking the project from a proof-of-concept to a market-ready product with an enterprise customer. Achievements include introducing React and Jest, 100% test coverage and distributed architecture reaching Kubernetes scaling limits.
- Senior Consultant  
Jul 18 - Oct 18
-  **Arcadia/101 Ways**
- Contract. On-site via 101 Ways helping Arcadia transform engineering and replatform to React and Node.js (SSR).
  - Pair-owned greenfield component library (React/Styled Components) used accross 7 brands including Topshop, Topman and Miss Selfridge.
  - Conducted dozens of contract technical interviews.
- Co-founder  
Mar 18 - Jul 18
-  **Storydust/Entrepreneur First** (<https://vimeo.com/277960656>)
- EF10 alumnus. "EF is the best place to find a co-founder, build a company and access the world's best investors. We've helped build over 140 technology companies collectively worth over \$1bn."
  - Co-founded Storydust which helped brands create "authenticity at scale" by letting them curate, license and use user-generated imagery of people using their products.
  - Implemented Google-quality image search via unsupervised learning ontology. Subsecond responses through map-reduce query planning. Search results were influenced by feedback loops from live content engagement.
  - Built enterprise-scale processing queue indexing over a million Instagram photos.
  - Stack: Infrastructure-as-code microservice infrastructure (Node.js/Docker/CoreOS/RabbitMQ/Redis) on Google Cloud Platform, DigitalOcean and Azure with dynamic load balancing and alerting. 100% test coverage. React SPA.
- Engineer  
Feb 17 - Mar 18
-  **Beamery** (<https://beamery.com/software/pages>)
- Early hire in full stack engineering pre-Series A to post-Series B. "Beamery is the world's most advanced sourcing and recruitment marketing platform, empowering companies to treat candidates like customers."
  - Mentored Founders & Coders interns through a full agile project alongside junior developer mentoring and pairing.
  - Worked one-to-one with Facebook (US), Balfour Beatty, Grab (Singapore), Greenhouse and Roivant.
  - Pair-lead development of candidate-facing Beamery Pages product (AngularJS/Node.js) which was key to Balfour Beatty's "Outstanding Impact Transformation & Change" win in the Firm Awards.
  - Lead frontend development of hiring analytics product, understanding candidate journeys from first visit to hire through Keen.io and Elasticsearch.
  - Data visualisation and reporting in React. Supported work on micro-frontend architecture. Implemented GDPR workflows, real time socket.io notifications and advanced UI for Elasticsearch. Established end-to-end testing with Selenium/Cucumber before QAs.
- Engineer  
Mar 16 - Feb 17
-  **PlayStation (R&D at Sony Interactive Entertainment Europe)**
- Full stack engineering on PlayStation's best-in-class developer platform between London and San Mateo, CA.
  - Leadership on application's frontend strategy (build, dependencies, introducing AngularJS).
  - Delivered AngularJS training to London and Bay Area senior engineers.
  - Delivered sprint visualisation project with Node.js (GitHub API) and D3.
  - Supported Architecture Board with greenfield serverless project on AWS (Node.js/CloudFormation/Elasticsearch).

Co-founder 2015 - 2017	 <b>Epsilon Data</b> <ul style="list-style-type: none"> <li>Epsilon Data was a profitable automated marketing startup, working with the UK's leading ethical tourism charity.</li> <li>Lead generation by finding Twitter conversations and replying intelligently through brands' Twitter handles. Test-driven algorithms avoided spam.</li> <li>WYSIWYG landing pages with tracking from Twitter to website via client-side SDK.</li> <li>"Deep Profiles" parallel crawler technology automatically associated and clustered LinkedIn, Twitter and Facebook profiles.</li> <li>API-first insight platform (Node.js) with 0 downtime deployments through CloudFlare API. Failsafe integrations with Twitter, Google Images, Mapbox, GeoNames and Genderize.io.</li> <li>Self-service "Client Portal" (AngularJS); slide deck reporting with impress.js and Chartist. 3-year old codebase migrated to Browserify, Babel and Sass.</li> </ul>
Data Scientist Nov 14 - Oct 15	 <b>Relative Insight, Lancaster</b> <ul style="list-style-type: none"> <li>Developed Python web scrapers for high profile brands including Oxford University and Smirnoff. Published language normalisation algorithms for Mumsnet and Twitter.</li> </ul>
Developer Jun 14 - Sep 14	 <b>DataCentred, MediaCityUK, Manchester</b> <ul style="list-style-type: none"> <li>Internship. Co-delivered customer support app in Ruby on Rails/AngularJS in 3 months, reflecting real-time JIRA ticket activity. Implemented LDAP support in OSS project phpipam.</li> </ul>
Developer Jun 13 - May 14	 <b>NextWorldWeb, InfoLab21, Lancaster</b> <ul style="list-style-type: none"> <li>Moved large legacy ecommerce systems to CakePHP, CS-Cart and WordPress. Automated WordPress theme creation from any site.</li> </ul>
Developer 2011 - 2012	 <b>Dark Flow</b> ( <a href="https://youtube.com/watch?v=yY3QpVo25lw">https://youtube.com/watch?v=yY3QpVo25lw</a> ) <ul style="list-style-type: none"> <li>Lead a team of 5 developing a "true cross platform game maker" through .NET bytecode runner, browser and mobile support through native code generation.</li> </ul>
Founder 2007 - 2011	 <b>DS Game Maker</b> ( <a href="http://gamemakerblog.com/2010/09/22/ds-game-maker">http://gamemakerblog.com/2010/09/22/ds-game-maker</a> ) <ul style="list-style-type: none"> <li>Created famous Nintendo DS homebrew game making software, selling over 1,500 serial codes and 350 physical 'Homebrew Kits' by age 17.</li> <li>Adopted at American summer camps and site licenses sold worldwide. International logistics work with Hong Kong and support in German and Dutch.</li> </ul>

## Talks + Hackathons

Apr 19	 <b>SuperAwesome Swarm Week</b> Winners. Technology layer to make live video kid-safe through masking faces. Team of 3.
Jul 17	 <b>#HackingTalent</b> First Prize. Suggesting top candidates for hard-to-fill vacancies by classifying job descriptions to form structured vacancy data. Team of 3.
Sep 16	 <b>Capco Hackathon with Monzo and Loqr</b> First Prize. API clustering spend data from Monzo's API to create financial personality profiles. Tinder-like profile matching client (Angular). Deployed in > 5 hours' keyboard time. Team of 3.
Nov 14	 <b>Global Startup Weekend 2014</b> First Prize. One line JavaScript embed code for reputation based comments, quantifying personality to eliminate on-line trolls. Team of 4.
Nov 14	 <b>Nintendo DS Homebrew, 2014 Edition</b> Speaker at DunDDD conference, University of Dundee. "Adventures in the retro Homebrew Scene" and live demo of Nintendo DS development.
Apr 14	 <b>InfoLab21 Showcase</b> Presented "Geosocial Networking Security" research alongside PhD students, looking at reverse engineering Grindr to find user locations.
Mar 14	 <b>Hack Smart Streets 2014</b> 'Most Commercially Viable' Prize. API for public bodies to detect decaying street furniture from crowdsourced imagery using computer vision (ffmpeg/.NET). Team of 4.
Aug 13	 <b>LeedsHack 2013</b> First Prize. Mobile AR game 'Pacman City' on Google Maps. Team of 3.

## Profile

Degree	 <b>2:1 Computer Science BSc (Hons), Lancaster University, UK</b>
Languages	 <b>English: Native</b>  <b>German: Fluent</b>  <b>Spanish: Learning</b>
Leadership	 <b>Lancaster University Computer Science Society: President (2014 - 2015)</b>  <b>InterTech LGBT+ Diversity Forum: Organiser (2014 - 2017)</b>